

Oncostatin M, rat recombinant protein
OSM
Catalog # PBV10812r**Specification**

Oncostatin M, rat recombinant protein - Product info

Primary Accession [Q65Z15](#)
Calculated MW **24.4 kDa**

Oncostatin M, rat recombinant protein - Additional Info

Gene ID **289747**
Gene Symbol **Osm**
Other Names
OSM

Gene Source **Rat**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **MKRGCS SSP KLLSQLKSQA NITGNTASLL
EPYILHQNLN TLTLRAACTE HPVAFPSDEM
LRQLSKPDFL STVHATLGRV WHQLGAFRQQ
FPKIQDFPEL ERARQNIQGI RNNVYCMARL
LHPPLEIPEP TQADSGTSRP TTTAPGIFQI
KIDSCRFLWG YHRFMGSVGR VFEEWGDGSR
RSRRHSPLWA WLKGDHRIRP SRSSQSAML R
SLVPR**

Target/Specificity
Oncostatin M

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives

Oncostatin M, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Oncostatin M, rat recombinant protein - Images**Oncostatin M, rat recombinant protein - Background**

Oncostatin M (OSM) is a growth and differentiation factor that participates in the regulation of neurogenesis, osteogenesis and hematopoiesis. Produced by activated T cells, monocytes and Kaposi's sarcoma cells, OSM can exert both stimulatory and inhibitory effects on cell proliferation. It stimulates the proliferation of fibroblasts, smooth muscle cells and Kaposi's sarcoma cells, but, inhibits the growth of some normal and tumor cell lines. It also promotes cytokine release (e.g. IL-6, GM-CSF and G-CSF) from endothelial cells, and enhances the expression of low-density lipoprotein receptor in hepatoma cells. OSM share several structural and functional characteristics with LIF, IL-6, and CNTF. Human OSM is active on murine cells. Recombinant rat Oncostatin M is a 24.4 kDa protein, containing 215 amino acid residues.

Oncostatin M, rat recombinant protein - References

Okaya A., et al. Am. J. Pathol. 166:709-719(2005).